



A Green State Of Mind

RecyclinginSC.com

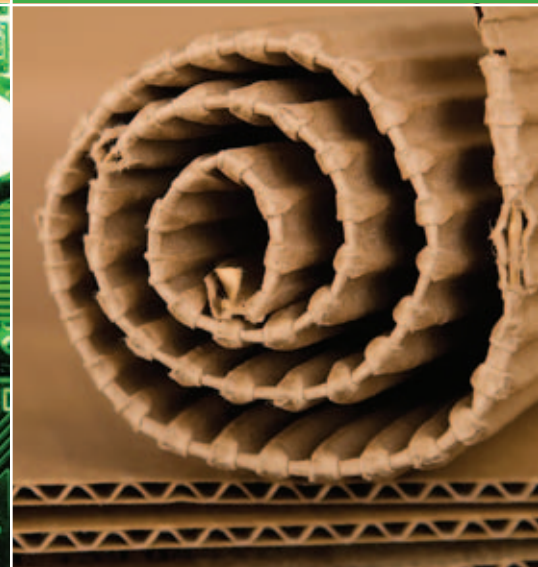
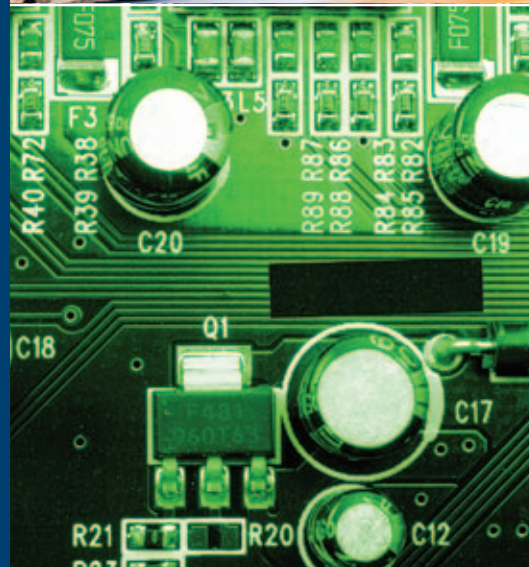


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South Carolina's Recycling Industry

A Green State Of Mind



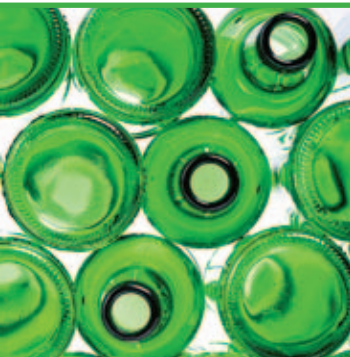
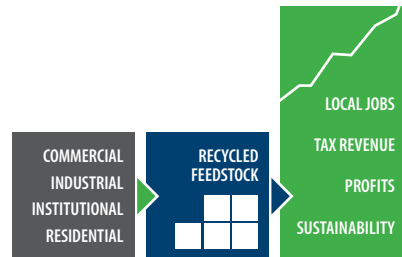
Recycling's **Impact** on the Economy

An economic catalyst, the recycling industry connects the state's business community with its network of haulers, processors, and end-users of recyclable feedstock to grow South Carolina's recycling and manufacturing sectors.

By connecting businesses with our statewide networks of recycling infrastructure at the local government and private sector levels, recycling sparks economic growth and boosts South Carolina's bottom line.

Recycling is a green growth industry in South Carolina. The 2006 economic impact study completed by economists Frank Hefner and Calvin Blackwell at the College of Charleston marked the industry's impact at \$6.5 billion. This can be attributed to the more than 300 recycling companies in the state which include haulers, processors, recycled product manufacturers and equipment makers.

- 37,440 jobs
- \$1.5 billion in personal income
- \$6.5 billion economic impact
- \$69 million state tax revenue
- Projected 12% annual growth rate
- Estimated total economic impact for 2011 = over \$11 billion



"That recycling is beneficial for the environment is probably an uncontested proposition. What is becoming increasingly more obvious is that recycling contributes to the economic health of a state's economy."

Dr. Frank Hefner, College of Charleston

The background of the entire page is a close-up, slightly blurred photograph of several aluminum cans. The focus is on the pull tabs of the cans, which are arranged in a grid-like pattern. The lighting is soft, highlighting the metallic texture of the cans. The colors are primarily shades of blue, grey, and white.

South Carolina Recycling Council

The South Carolina Recycling Council (SCRC) works along with RMDAC and other partners to increase the recycling industry's competitiveness in the state. The Council is supported by RMDAC through staffing, meeting coordination and project planning with help from New Carolina — South Carolina's Council on Competitiveness. SCRC's mission is to expand and strengthen South Carolina's recycling industry by establishing policy, building networks, promoting market development and leveraging existing infrastructure. The Council's vision is for South Carolina to be a national leader in the recycling industry in terms of creating jobs and investment and providing access to sustainable markets for recyclable materials.

Some of the activities the Council has been instrumental in developing for the state's recycling industry include: South Carolina Recycling Industry Legislative Day, South Carolina Recycling Specialty License Plate, South Carolina Recycling Industry Strategic Plan and Share the Load.



Reducing waste. Reducing costs.

Share the Load, Share the Cost

Pooling loads of small quantity recyclable materials can save money. Share the Load solves the logistics burden and provides companies a smart, convenient recycling solution.

How does Share the Load work?

Companies who are part of the S.C. Technology and Aviation Center will have the opportunity to share freight, combine recycling loads, reduce costs and handling and help minimize the amount of material being sent to the landfill.

Learn more at RecyclinginSC.com

Corporate Partners



"Share the Load is a progressive program that allows each business located at SCTAC to positively impact our community by becoming more environmentally friendly."

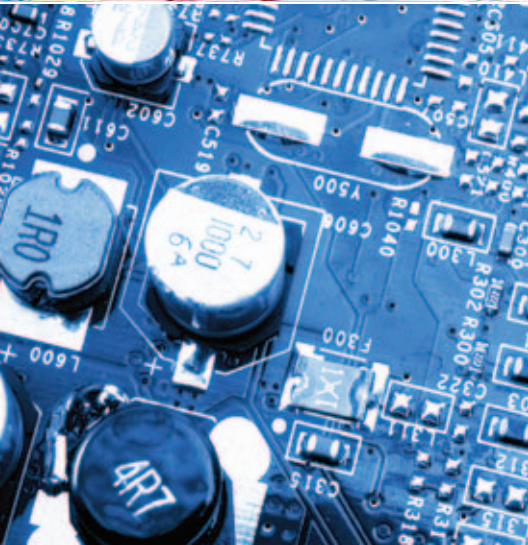
Dan Martins

Manufacturing Director at Cytec Carbon Fibers

"We hope all SCTAC operations will join our efforts in decreasing corporate carbon footprints."

B.J. Boling

Spokesperson for Lockheed Martin



Smart Business Recycling Program



Recycling. It doesn't cost. It pays!

The South Carolina Smart Business Recycling Program began in January 2007 and provides free, confidential, non-regulatory technical assistance on recycling, waste reduction, beneficial reuse and other ways for businesses to conserve resources and improve the bottom line. To help companies meet material management and recycling goals, the Smart Business Recycling Program offers site visits, waste assessments, market assistance, educational materials, staff training, and other services.

The program is a partnership between the South Carolina Recycling Market Development Advisory Council and the South Carolina Department of Health and Environmental Control's (DHEC) Office of Solid Waste Reduction and Recycling, DHEC's Center for Environmental Sustainability and DHEC's Small Business Environmental Assistance Program.



Cooper Standard Automotive in Spartanburg increased their recycling rate from 40 percent to more than 50 percent. With the help of Smart Business, Cooper Standard Automotive was able to find a vendor for most of their plastic waste that had previously been sent to a landfill. This diversion

has resulted in a \$15,600 per year cost savings and prevented 200,000 pounds of material from going to a landfill. Cooper Standard Automotive also recycles scrap metal, paper, cardboard and pallets.





Market to Market

Virtually every material has a recycling or reuse option available. Local governments, commercial businesses and recyclers alike have access to an abundance of recycling markets in South Carolina, strategically situated with access to interstates, ports and rails. From entrepreneurs who provide new recycling business options to flagship companies that convert recycled materials, SC is leading the way in manufacturing these sustainable products.

South Carolina's **Recycling** Businesses

These manufacturers rely on a steady stream of recycled material feedstock produced by commercial and industrial business recycling as well as residential recycling programs.

- **Electronics** – hardware reused or shredded and recycled into new computer components (Sims, CompuWorks, Dove Data Products)
- **Plastic** – bottles can go into recycled resins for new bottles, strapping, fiber or film (URRC, Wellman Plastics, PolyQuest, ITW Angleboard, US Fibers, The Poole Company)
- **Paper** – new paper, cardboard, packaging materials (Sonoco, Carastar, US Corrugated, RockTenn, SP Recycling, Recover)
- **Textiles** – automotive industry, furniture (Leigh Fibers, Carolina Textiles Recycling, Southeastern Plastics Recovery)
- **Metal** – melted into new products (Nucor, JW Aluminum)
- **Petroleum** – re-refined or burned for energy recovery (Safety-Kleen, Crandall Corporation, Universal Environmental Services)
- **Wood** – biomass, new pallets, mulch (Custom Forest Products, Hansen Pallet)
- **Glass** – recycled glass required to make new glass (Fisher Recycling, Reflective Recycling)
- **Organics** – food and yard waste (Waste2Energy, LLC)
- **Construction and Demolition** – brick, block, asphalt, concrete, pallets, carpet (SH Carter, PASCON, DH Griffin, IFCO Systems)

For a more comprehensive list of recycling businesses visit RecyclinginSC.com.

Manufacturing and Green Jobs

The U.S. Department of Labor's Occupational Network defines green careers as any occupation that deals with recycling, developing alternative energy, conserving energy, or reducing pollution.

For the state's economic security, recycling provides green jobs. Recovering materials in the waste stream and converting them into high value products require labor, especially when contrasted with landfilling and incineration. Using recycled materials rather than virgin resources diverts jobs into the green economy.

Smart Business Choices

Recycling is more than a way to manage wastes. South Carolina companies are leading the way in zero waste to landfill strategies that return value to shareholders and communities.

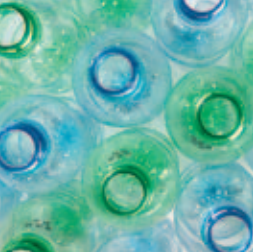
Some recent zero waste to landfill successes are:

- Freightliner Custom Chassis Corp.
- Boeing
- Milliken
- Select Comfort
- Glen Raven
- Shaw Fiber Extrusion

"Recycling creates an improved quality of life in South Carolina, whether it's additional quality jobs, a reduced need for landfills or sources of cost-efficient waste management for industry. South Carolina is a great place to live and a great place for business."

Gerry Fishbeck

Chair, Recycling Market Development Advisory Council



Recycling is a Smart Investment for South Carolina

A Green State of Mind

Economy

Recycling is a green growth industry in South Carolina with over 300 businesses.

- Estimated total economic impact for 2011 is \$11 billion

Environment

Recycling reduces the need to build landfills and incinerators as well as saves natural resources.

Energy

Making products from recycled steel, glass, plastic or paper saves 40-70% in energy.

Opportunities for South Carolina

- In 2010, South Carolina sent approximately 500,000 tons of easily recyclable material — paper, cans, plastic and glass bottles to landfills.
- This is a \$90 million statewide net loss in unattained revenues and paid disposal costs, as well as the missed opportunity for jobs and investments by recycling businesses and manufacturers.

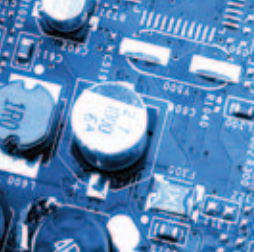
Recycling can make a difference

Did you know that recycling can save enough energy to offset the energy you consume to light a room, run a computer, and watch TV? It can even offset the water you use in your shower!

- Recycling 1 glass bottle will save enough energy to light a 100-watt light bulb for 4 hrs (EPA)
- Recycling 1 aluminum can will run a computer for 3 hours (Aluminum Association)

Recycling Services

Contact SC Commerce at 803-737-0400 or go to SCcommerce.com for information on starting a recycling business or technical assistance on recycling at your business.



Recycling is a Smart Investment for South Carolina

Recycling Directories

SC Commerce Recycling Business Directory RecyclinginSC.com/directory

SC Materials Exchange scdhec.gov/scme

Sustainability Index scdhec.gov/ces

SC Green Building Directory scgreenbuildingdirectory.org

Plastics Market Directory plasticmarkets.org

Earth 911 earth911.org

Government Resources

EPA Region 4 Recycling epa.gov/region4/recycle

SC Department of Commerce - Recycling Market Development Advisory Council RecyclinginSC.com

SC Department of Health and Environmental Control (DHEC) - Center for Environmental Sustainability scdhec.gov/ces

SC DHEC - Office of Solid Waste Reduction and Recycling scdhec.gov/recycle

SC Smart Business Recycling Program RecyclinginSC.com

Recycling Organizations and Resources

Carolina Recycling Association sc.myecoville.com

SC Biomass Council scbiomass.org

Solid Waste Association of North America - SC Chapter scswana.org

SC E-cycle scdhec.gov/e-cycle

SC Recycling Council newcarolina.org/clusters/recycling.aspx

Southeast Recycling Development Council serdc.org

U.S. Green Building Council - SC Chapter usgbcsc.org



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Recycling Market Development Advisory Council

Created by the Solid Waste Policy and Management Act of 1991, South Carolina’s authority on recycling markets is the Recycling Market Development Advisory Council (RMDAC). RMDAC is made up of 14 governor-appointed members representing a variety of recycling industry, government, higher education, solid waste industry and citizen affiliations. RMDAC’s 20 years of work with the Department of Commerce Recycling Market Development program has provided a proven track record of business development and technical assistance to the state’s recycling industry in terms of growing new markets for materials. RMDAC is the go-to agency resource on recycling and sustainability issues.

